

## PROCEDURE FOR PREPARING REDOX-ACTIVE POLYMERS ON SURFACES

### ABSTRACT OF THE DISCLOSURE

[0139] This invention provides novel methods for the formation of redox-active polymers attached to surfaces. In certain embodiments, the methods involve providing redox-active molecules bearing at least a first reactive site or group and a second reactive site or group; and contacting the surface with the redox-active molecules where the contacting is under conditions that result in attachment of said redox-active molecules to said surface via the first reactive site or group and attachment of redox-active molecules via the second reactive site or group, to the redox-active molecules attached to the surface thereby forming a polymer attached to said surface where the polymers comprise at least two of said redox-active molecules.

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